RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/089, 292C
Source:	1FW/6
Date Processed by STIC:	9/13/06

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 09/13/2006
PATENT APPLICATION: US/10/089,292C TIME: 14:09:59

3	<110)> Al	PPLIC	CANT	: The	e Un:	iver	sity	of I	Hong	Kong	3					
4			g, Ho			٠											
										Ant:	igen:	ic Pe	eptio	de ar	nd Me	ethods	
	<130												_				
	<140										/089	, 2920	3				
	<141										. /						
	<150									/ IB0(3/01.	393					
	<151											_					
	<150									2,28.	3,53	3					
	<151								9-30								
	<170								. 2 1	2							
	<210					211011	1 46	LSIUI	1 3	,							
	<211																
	<212																
	<213				Hepa	atit:	is E	virı	18								
	<220																
	<221				CDS												
	<222					(64	42)										
	<400																
	cag					cgt	ccc	gtc	gtc	tca	gcc	aat	ggc	gag	ccg	act	48
	Gln																
36	1				5					10					15		
38	gtt	aag	ctt	tat	aca	tct	gta	gag	aat	gct	cag	cag	gat	aag	ggt	att	96
39	Val	Lys	Leu	Tyr	Thr	Ser	Val	Glu	Asn	Ala	Gln	Gln	Asp	Lys	Gly	Ile	
40				20					25					30			
	gca																144
	Ala	Ile		His	Asp	Ile	Asp		Gly	Glu	Ser	Arg		Val	Ile	Gln	
44			35					40					45				
	gat																192
	Asp	_	Asp	Asn	GIN	His		GIN	Asp	Arg	Pro		Pro	ser	Pro	Ala	
48		50			حدد		55					60			.		240
	cca																240
	Pro 65	ser	Arg	PIO	Pne	70	vai	Leu	Arg	Ala	75	Asp	vaı	ьeu	тр	ьеи 80	
		ata	300	aat	~~~		+ = +	a aa	a24	+ 00		+	~~~	+ a+	+ 00		288
	tct Ser																200
56	DET	шeu	TIIT	nia	85	GIU	TAT	rap	GIII	90	TIIT	TÄT	GTA	PET	95	1111	
	ggc	cca	atc	tat		t.ct	gac	tet	ata		ttσ	att	aat	att		acc	336
	Gly																220
60	 1			100			P	-01	105					110			
	ggc	aca	cag		att	acc	caa	tca		gac	t.ga	acc	aag		aca	ctt	384
													Lys				-

- 4																	
64			115					120					125				
								atc									432
	Asp		Arg	Pro	Leu	Ser		Ile	Gln	Gln	Tyr		Lys	Thr	Phe	Phe	
68		130					135					140					
								ctc									480
		Leu	Pro	Leu	Arg		Lys	Leu	Ser	Phe	Trp	Glu	Ala	Gly	Thr	Thr	
	145					150					155					160	
								tat				_	_	_		_	528
75	Lys	Ala	Gly	Tyr	Pro	Tyr	Asn	Tyr	Asn	Thr	Thr	Ala	Ser	Asp	Gln	Leu	
76					165					170					175		
78	ctc	gtt	gag	aat	gcc	gct	ggg	cat	cgg	gtt	gct	att	tcc	act	tac	acc	576
79	Leu	Val	Glu	Asn	Ala	Ala	Gly	His	Arg	Val	Ala	Ile	Ser	Thr	Tyr	Thr	
80				180					185					190			
82	act	agc	ctg	ggt	gct	ggt	CCC	gtc	tct	att	tcc	gcg	gtt	gct	gtt	tta	624
								Val									
84			195	_		_		200					205				
86	gcc	ccc	cct	ccq	cqc	taq											642
	Ala			-	-	_											
88		210															
91	<210	> SE	O II	NO:	2												
	<211																
	<212				_												
					Нера	titi	s E	viru	s								
	<400																
98	Gln	Leu	Phe	Tvr	Ser	Ara	Pro	Val	Val	Ser	Ala	Asn	Glv	Glu	Pro	Thr	
		Leu	Phe	Tyr	Ser 5	Arg	Pro	Val	Val		Ala	Asn	Gly	Glu		Thr	
99	1			_	5					10			_		15		
99 102	1 Val			Tyr	5				Asn	10			_	Lys	15	Thr / Ile	
99 102 103	1 Val	Lys	Lev	Tyr 20	5 Thr	Ser	· Val	. Glu	Asn 25	10 Ala	Glr	ı Glr	a Asp) Lys	15 Gly	/ Ile	
99 102 103 106	1 Val Ala	Lys	Lev Pro	Tyr 20	5 Thr	Ser	· Val	. Glu . Leu	Asn 25	10 Ala	Glr	ı Glr	a Asp y Val) Lys	15 Gly		
99 102 103 106 107	1 Val	Lys	Lev Pro	Tyr 20 His	5 Thr Asp	Ser	Val	. Glu Leu 40	Asn 25 Gly	10 Ala Glu	a Glr a Ser	Glr Arg	Ası Val	Lys 30 Val	15 Gly	/ Ile	
99 102 103 106 107	l Val Ala Asp	Lys Ile Tyr	Lev Pro	Tyr 20 His	5 Thr Asp	Ser	Val Asp Glu	. Glu Leu 40	Asn 25 Gly	10 Ala Glu	a Glr a Ser	Glr Arg	Ası Val	Lys 30 Val	15 Gly	/ Ile	
99 102 103 106 107 110	l Val Ala Asp	Lys Ile Tyr 50	Pro 35 Asp	Tyr 20 His	5 Thr Asp	Ser Ile	Val Asp Glu 55	Glu Leu 40 Gln	Asn 25 Gly Asp	10 Ala Glu Arg	Glr Ser Pro	a Glr Arg Thr	Val 45	Lys 30 Val Ser	15 Gly L Ile	/ Ile Gln Ala	
99 102 103 106 107 110 111	Val Ala Asp	Lys Ile Tyr 50	Pro 35 Asp	Tyr 20 His	5 Thr Asp	Ser Ile His	Val Asp Glu 55	Glu Leu 40 Gln	Asn 25 Gly Asp	10 Ala Glu Arg	Glr Ser Pro	a Glr Arg Thr	Val 45	Lys 30 Val Ser	15 Gly L Ile	/ Ile e Gln o Ala o Leu	
99 103 106 107 110 111 114	Val Ala Asp Pro	Lys Ile Tyr 50 Ser	Pro 35 Asp	Tyr 20 His Asn	Thr Asp Gln	Ser Ile His Ser 70	Val Asp Glu 55 Val	Leu 40 Gln Leu	Asn 25 Gly Asp	10 Ala Glu Arg Ala	a Glr Ser Pro Asr 75	Thr	Val 45 Pro Val	Jo Lys 30 Val Ser Let	15 Gly L Ile Pro Pro	/ Ile e Gln o Ala c Leu 80	
99 103 106 107 110 111 114 115	Val Ala Asp Pro 65	Lys Ile Tyr 50 Ser	Pro 35 Asp	Tyr 20 His Asn	5 Thr Asp Gln Phe	Ser Ile His Ser 70	Val Asp Glu 55 Val	Leu 40 Gln Leu	Asn 25 Gly Asp	10 Ala Glu Arg Ala Ser	a Glr Ser Pro Asr 75	Thr	Val 45 Pro Val	Jo Lys 30 Val Ser Let	15 Gly L Ile Pro Trp	/ Ile e Gln o Ala o Leu	
99 103 106 107 110 111 114 115 118	Val Ala Asp Pro 65	Lys Ile Tyr 50 Ser	Pro 35 Asp Arg	Tyr 20 His Asn Pro	Thr Asp Gln Phe Ala	Ser His Ser 70	Val Asr Glu 55 Val	Glu Leu A0 Gln Leu Asp	Asn 25 Gly Asp Arg	10 Ala Glu Arg Ala Ser 90	a Glr Ser Pro Asr .75	Thr 60 Asp	Val 45 Pro Val	July Services Service	15 Gly L Ile Pro Trp Tser 95	/ Ile e Gln o Ala o Leu 80 c Thr	
99 102 103 106 107 110 111 114 115 118 119	Val Ala Asp Fro 65 Ser	Lys Ile Tyr 50 Ser	Pro 35 Asp Arg	Tyr 20 His Asn Pro Ala	Thr Asp Gln Phe Ala 85 Val	Ser His Ser 70	Val Asr Glu 55 Val	Glu Leu A0 Gln Leu Asp	Asr 25 Gly Asr Arg	10 Ala Glu Arg Arg Ala Ser 90 Thr	a Glr Ser Pro Asr .75	Thr 60 Asp	Val 45 Pro Val	D Lys 30 L Val D Ser Let V Ser	15 Gly I Ile Pro Trp Ser 95 I Ala	/ Ile e Gln o Ala c Leu 80	
99 102 103 106 107 110 111 114 115 118 122 123	Val Ala Asp Pro 65 Ser	Lys Ile Tyr 50 Ser Leu	Pro 35 Asp Arg	Tyr 20 His Asn Pro Ala Tyr 100	Thr Asp Gln Phe Ala 85 Val	Ser Ser His Ser 70 Glu Ser	Vale Asr Glu 55 Val Tyr	Glu Leu Gln Leu Asp	Asr 25 Gly Asp Arg Val	10 Ala Glu Arg Ala Ser 90 Thr	Glr Ser Pro Asr 75 Thr	Three Argonal	Val 45 Pro Val Gly	D Lys 30 Val Val Let V Ser Val 110	15 Gly Lile Pro Try Ser 95 LAla	/ Ile e Gln o Ala o Leu 80 c Thr	
99 102 103 106 107 110 111 114 115 118 122 123	Val Ala Asp Pro 65 Ser Gly	Lys Ile Tyr 50 Ser Leu	Pro 35 Asp Arg Thr	Tyr 20 His Asn Pro Ala Tyr 100	Thr Asp Gln Phe Ala 85 Val	Ser Ser His Ser 70 Glu Ser	Vale Asr Glu 55 Val Tyr	Glu Leu Gln Leu Asp Ser	Asr 25 Gly Asr Arg Gln Val 105 Leu	10 Ala Glu Arg Ala Ser 90 Thr	Glr Ser Pro Asr 75 Thr	Three Argonal	Val 45 Pro Val Gly Asr	D Lys 30 Val D Ser Let V Ser 110 Val	15 Gly Lile Pro Try Ser 95 LAla	/ Ile e Gln o Ala o Leu 80 c Thr	
99 102 103 106 107 110 111 114 115 118 122 123 126	Asp Pro 65 Ser Gly	Lys Ile Tyr 50 Ser Leu Pro	Pro 35 Asp Arg Thr Val	Tyr 20 His Asn Pro Ala Tyr 100	Thr Asp Gln Phe Ala 85 Val	Ser Ile His Ser 70 Glu Ser	Vale Asp S Glu 55 Val Tyr Asp	Glu Leu Gln Leu Asp Ser Ser	Asr 25 Gly Asp Arg Gln Val 105 Leu	10 Ala	A Glr A Asr 75 Thr	Throad Th	Val 45 Pro Val Gly Asr	D Lys 30 Val D Ser Let V Ser 110 Val	15 Gly L Ile Pro 1 Trp Ser 95 L Ala	/ Ile e Gln o Ala o Leu 80 f Thr a Thr	
99 102 103 106 107 110 111 114 115 122 123 126 127 130	Val Ala Asp Fro 65 Ser Gly Asp	Lys Ile Tyr 50 Ser Leu Pro	Pro 35 Asp Arg Thr Val	Tyr 20 His Asn Pro Ala Tyr 100	Thr Asp Gln Phe Ala 85 Val	Ser Ile His Ser 70 Glu Ser	Vale Asp S Glu 55 Val Tyr Asp Arg	Leu Asp Ser 120 11e	Asr 25 Gly Asp Arg Gln Val 105 Leu	10 Ala	A Glr A Asr 75 Thr	Three Argonal Three Tyres Value Three Series	Value	D Lys 30 Val D Ser Let V Ser 110 Val	15 Gly L Ile Pro 1 Trp Ser 95 L Ala	/ Ile e Gln o Ala o Leu 80 c Thr	
99 102 103 106 107 110 111 114 115 122 123 126 127 130	Val Ala Asp Fro 65 Ser Gly Asp	Lys Ile Tyr 50 Ser Leu Pro	Pro 35 Asp Arg Thr Val	Tyr 20 His Asn Pro Ala Tyr 100 Ala Pro	Thr Asp Glm Phe Ala 85 Val Val	Ser Ser 70 Glu Ser Ala	Value Asp S Glue 55 Value Tyr Asp Arg	Leu Asp Ser 120 11e	Asn 25 Gly Asp Arg Val 105 Leu	Ala Ala Ala Ala Ser 90 Thr Asp	Asn 75 Thr Leu Trp	Three Argonal Three Tyres Value Three Ser	Val 45 Pro Val Gly Asr Lys 125	D Lys 30 Val D Ser Let V Ser 110 Val S Val S Thr	15 Gly L Ile Pro 1 Trp 95 L Ala	/ Ile e Gln o Ala o Leu 80 o Thr a Thr c Leu e Phe	
99 102 103 106 107 110 111 114 115 122 123 126 131 131	Val	Lys Ile Tyr 50 Ser Leu Pro Ala Gly 130 Leu	Pro 35 Asp Arg Thr Val	Tyr 20 His Asn Pro Ala Tyr 100 Ala Pro	Thr Asp Glm Phe Ala 85 Val Val	Ser Ser 70 Glu Ser Ala	Value Asp S Glue 55 Value Tyr Asp Arg Thr 135	Leu Asp Ser 120 11e	Asn 25 Gly Asp Arg Val 105 Leu	Ala Ala Ala Ala Ser 90 Thr Asp	Asr 75 Thr Leu Trp	Thr 60 Ass Tyr Val Thr 140 Glu	Val 45 Pro Val Gly Asr Lys 125	D Lys 30 Val D Ser Let V Ser 110 Val S Val S Thr	15 Gly L Ile Pro 1 Trp 95 L Ala	/ Ile e Gln o Ala o Leu 80 c Thr a Thr c Leu e Phe	
99 102 103 106 107 110 111 114 115 122 123 126 131 134 135	Val Asp Pro 65 Ser Gly Asp Val 145	Lys Ile Tyr 50 Ser Leu Pro Ala Gly 130 Leu	Pro 35 Asp Arg Thr Val	Tyr 20 His Asn Pro Ala Tyr 100 Ala Pro	Thr Asp Gln Phe Ala 85 Val Val Leu	Ser Ile His Ser 70 Glu Ser Ala Ser Gly 150	Value Asp S Glue 55 Value Tyr Asp Arg Thr 135	Leu 40 Gln Leu Asp Ser 120 Ile	Asr 25 Gly Asp Arg Gln Val 105 Leu Ser	O Arg	Asra 75 Thr Leu Trr	Thr 60 Ass Tyr Val Thr Ser 140	Value	Ser Val	15 Gly I Ile Pro I Try 95 I Ala I Thu	/ Ile e Gln o Ala o Leu 80 c Thr a Thr c Leu e Phe c Thr 160	
99 102 103 106 107 110 111 114 115 122 123 126 127 131 134 135 138	Asp Fro 65 Ser Gly Asp Val 145 Lys	Lys Ile Tyr 50 Ser Leu Pro Ala Gly 130 Leu	Pro 35 Asp Arg Thr Val	Tyr 20 His Asn Pro Ala Tyr 100 Ala Pro	Thr Asp Gln Phe Ala 85 Val Val Leu Arg	Ser His Ser 70 Glu Ser Ala Ser Gly 150 Tyr	Value Asp S Glue 55 Value Tyr Asp Arg Thr 135	Leu 40 Gln Leu Asp Ser 120 Ile	Asr 25 Gly Asp Arg Gln Val 105 Leu Ser	10 Ala	A Glr Asr 75 Thr Lev Trp Tyr 155	Thr 60 Ass Tyr Val Thr Ser 140	Value	Ser Val	15 6 Gly 1 Ile 2 Pro 1 Try 95 1 Ala 1 Thi 2 Phe 7 Thi	/ Ile e Gln o Ala o Leu 80 o Thr a Thr c Leu e Phe c Thr 160 a Leu	
99 102 103 106 107 110 111 114 115 122 123 126 127 131 134 135 138 139	Asp Fro 65 Ser Gly Asp Val 145 Lys	Lys Ile Tyr 50 Ser Leu Pro Ala Gly 130 Leu Ala	Pro 35 Asp Arg Thr Val Gln 115 Arg	Tyr 20 His Asn Pro Ala Tyr 100 Ala Pro Leu	Thr Asp Gln Phe Ala 85 Val Val Leu Arg	Ser His Ser 70 Glu Ser Ala Ser Gly 150 Tyr	Value Asp S Glue 55 Value Tyr Asp Arg Thr 135 Lys	Leu Asp Ser 120 1 Leu Tyr	Asn 25 Gly Asp Arg Gln Val 105 Leu Gln Ser	10 Ala	A Glr Asr 75 Thr Leu Trp Tyr 155	Three Tyres Value Glue Glue Glue Glue Glue Glue Glue G	Value Aspectation	Ser Value Va	15 Gly I Ile Pro Try 95 Ala Thi Phe Thi 175	/ Ile e Gln O Ala O Leu 80 Thr a Thr Leu e Phe Thr 160 Leu	
99 102 103 106 107 110 111 114 115 122 123 126 127 130 131 134 135 138 139	Asp Fro 65 Ser Gly Asp Val 145 Lys	Lys Ile Tyr 50 Ser Leu Pro Ala Gly 130 Leu Ala	Pro 35 Asp Arg Thr Val Gln 115 Arg	Tyr 20 His Asn Pro Ala Tyr 100 Ala Pro Leu Tyr	Thr Asp Gln Phe Ala 85 Val Val Leu Arg Pro 165 Ala	Ser His Ser 70 Glu Ser Ala Ser Gly 150 Tyr	Value Asp S Glue 55 Value Tyr Asp Arg Thr 135 Lys	Leu Asp Ser 120 1 Leu Tyr	Asn 25 Gly Asp Arg Gln Val 105 Leu Ser Asn	Argorial Asp	A Glr Asr 75 Thr Leu Trp Tyr 155	Three Tyres Value Glue Glue Glue Glue Glue Glue Glue G	Value Aspectation	Lys 30 Val Val Ser Val 110 Val 110 Val 110 Val Thr	15 Gly September 17:15 This Photogram 17:15 This Type 17:15 Type 17:15	/ Ile e Gln o Ala o Leu 80 o Thr a Thr c Leu e Phe c Thr 160 a Leu	
99 102 103 106 117 114 115 118 122 123 126 127 130 131 134 135 142 143	Asp Fro 65 Ser Gly Asp Val 145 Lys	Lys Ile Tyr 50 Ser Leu Pro Ala Gly 130 Leu Ala Val	Pro 35 Asp Arg Thr Val Gln 115 Arg	Tyr 20 His Asn Pro Ala Tyr 100 Ala Pro Leu Tyr	Thr Asp Gln Phe Ala 85 Val Val Leu Arg Pro 165 Ala	Ser His Ser 70 Glu Ser Ala Ser Gly 150 Tyr Ala	Value Asp S Glue 55 Value Tyr Asp Arg Thr 135 Lys Asr	Leu Asp Ser 120 121 140 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Asn 25 Gly Asp Arg Gln Val 105 Leu Ser Asn Arg	Argorial Asp	AST Thr Trp Trp 155	Thr 60 Asy Tyr Val Thr 140 Glu	Asp Val 45 Pro Val Gly Asr Lys 125 Lys Ala Ser	Lys 30 Val Val Ser Val 110 Val 110 Val 110 Val Thr 190	15 Gly September 17: This continues of the continues of t	/ Ile e Gln O Ala O Leu 80 Thr a Thr Leu e Phe Thr 160 Leu	

147	19	5	200		205		
150	Ala Pro Pro	o Pro Arg					
151	210	_					
154	<210> SEQ :	ID NO: 3					
155	<211> LENG'	TH: 34					
156	<212> TYPE	: DNA					
		NISM: Artif:	icial				
	<220> FEAT						
		R INFORMATIO	ON: Cloning	Primer ORF	2Rc		
	<400> SEQUI						
		tagcgcggag	ggggggtaa	aaca			34
	<210> SEQ 3		3333330000	uucu			3.1
	<211> LENG'						•
	<212> TYPE						
		NISM: Hepat:	itis E viru	e			
	<400> SEQUI		ICIS E VIIU.	3			
		ggcctatttt	actattacta	ctcatctttc	tacatatact	accaacaaca	60
		agccgtctgg					120
		accgggttga					180
		ccgatgtcac					240
							300
		geteegettg					
		cagctggggc					360
		atgttgactc					420
		cttcttccgt					480
		tacccctcca					540
		agtaccgggt					600
		gctacgccat					660
		tgaattcaat					720
196	gcctccgage	ttgttatccc	aagtgagcgc	gtacactacc	gtaaccaagg	ttggcgctct	780
		ccggggtggc					840
		ctgtaaattc					900
		tcgaacttga					960
		ccagcactgc					1020
		cggctgctac					1080
		tcggccgtgg					1140
		cgacagaatt					1200
		ccaatggcga					1260
		gtattgcaat					1320
		acaaccaaca					1380
218	cctttttctg	tcctccgagc	taatgatgtg	ctttggcttt	ctctcaccgc	tgccgagtat	1440
		cttacggctc					1500
222	gttaatgttg	cgaccggcgc	gcaggccgtt	gcccggtcac	tcgactggac	caaggtcaca	1560
224	cttgatggtc	gccccctttc	caccatcaag	cagtattcaa	agaccttctt	tgtcctgccg	1620
		agctctcctt					1680
		ctgctagtga					1740
		acaccactag					1800
		actccgcgct					1860
		atgacttctg					1920
		tcgctgagct					1980
	_			_ 5 55			

238	tagtttattt gettgtgece ecettettte tgttgettat ttetetttte tgegtteege	2040
240	gctccctgaa aaaa	2054
243	<210> SEQ ID NO: 5	
244	<211> LENGTH: 370	
245	<212> TYPE: DNA	
246	<213> ORGANISM: Hepatitis E virus	
248	<400> SEQUENCE: 5	
249	tgaataacat gtcttttgct gcgcccatgg gttcgcgacc atgcgccctc ggcctatttt	60
251	gctgttgctc ctcatgtttc tgcctatgct gcccgcgcca ccgcccggtc agccgtctgg	120
	ccgccgtcgt gggcggcgca gcggcggttc cggcggtggt ttctggggtg accgggttga	180
255	ttctcagccc ttcgcaatcc cctatattca tccaaccaac cccttcgccc cgatgtcacc	240
257	gctgcggccg gggctggacc tcgtgttcgc caacccgccc gaccactcgg ctccgcttgg	300
	cgtgaccagg cccagcgccc cgccgttgcc tcacgtcgta gacctaccac agctggggcc	360
	gcgccgctaa	370
	<210> SEQ ID NO: 6	
265	<211> LENGTH: 114	
266	<212> TYPE: DNA	
267	<213> ORGANISM: Hepatitis E virus	
	<220> FEATURE:	
271	<221> NAME/KEY: CDS	
272	<222> LOCATION: (1)(114)	
274	<400> SEQUENCE: 6	
275	gac ctc gtg ttc gcc aac ccg ccc gac cac tcg gct ccg ctt ggc gtg	48
	Asp Leu Val Phe Ala Asn Pro Pro Asp His Ser Ala Pro Leu Gly Val	
277		
279	acc agg ccc agc gcc ccg ccg ttg cct cac gtc gta gac cta cca cag	96
	Thr Arg Pro Ser Ala Pro Pro Leu Pro His Val Val Asp Leu Pro Gln	
281	20 25 30	
283	ctg ggg ccg cgc cgc taa	114
284	Leu Gly Pro Arg Arg	
285	35	
288	<210> SEQ ID NO: 7	
289	<211> LENGTH: 37	
290	<212> TYPE: PRT	
291	<213> ORGANISM: Hepatitis E virus	
293	<400> SEQUENCE: 7	
295	Asp Leu Val Phe Ala Asn Pro Pro Asp His Ser Ala Pro Leu Gly Val	
296	1 5 10 15	
299	Thr Arg Pro Ser Ala Pro Pro Leu Pro His Val Val Asp Leu Pro Gln	
300	20 25 30	
303	Leu Gly Pro Arg Arg	
304	35	
307	<210> SEQ ID NO: 8	
308	<211> LENGTH: 22	
309	<212> TYPE: DNA	
310	<213> ORGANISM: Artificial	
312	<220> FEATURE:	
313	<223> OTHER INFORMATION: RT Primer E3R	
315	<400> SEQUENCE: 8	
	·	

	cggggagtca acatcaggca ct	22
	<210> SEQ ID NO: 9	
	<211> LENGTH: 24	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial	
	<220> FEATURE:	
	<223> OTHER INFORMATION: RT Primer E5R	
	<400> SEQUENCE: 9	_
	aagcaaataa actataactc ccga	24
	<210> SEQ ID NO: 10	
	<211> LENGTH: 34	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Cloning Primer ORF2F <400> SEQUENCE: 10	
	getggatece agetgtteta etetegtece gteg	34
	<210> SEQ ID NO: 11	34
	<211> LENGTH: 30	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Cloning Primer ORF2Ra	
	<400> SEOUENCE: 11	
352	ggcgaattcc aaataaacta taactcccga	30
	<210> SEQ ID NO: 12	
	<211> LENGTH: 30	
357	<212> TYPE: DNA	
358	<213> ORGANISM: Artificial	
360	<220> FEATURE:	
361	<223> OTHER INFORMATION: Cloning Primer ORF3F	
	<400> SEQUENCE: 12	
364	ccgggatccg acctcgtgtt cgccaacccg	30
367	<210> SEQ ID NO: 13	
	<211> LENGTH: 31	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Cloning Primer ORF3R	
	<400> SEQUENCE: 13	
	caggaattcc ttagcggcgc ggccccagct g	31
	<210> SEQ ID NO: 14 <211> LENGTH: 21	
	<211> DENGIH: 21 <212> TYPE: DNA	
	<212> TIPE: DNA <213> ORGANISM: Artificial	
	<220> FEATURE:	
	<223> OTHER INFORMATION: PCR Primer A3R	
	<223 OTHER INFORMATION: PCR PITMET ASR <400> SEQUENCE: 14	
	ggetcacegg agtgtttett c	21
500	ggeeedeegg agegeeeee e	21

Input Set : E:\8737_000010 Sep2006.ST25.txt
Output Set: N:\CRF4\09132006\J089292C.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,8,9,10,11,12,13,14,15,16,17,19,20

VERIFICATION SUMMARY

DATE: 09/13/2006 TIME: 14:10:01

PATENT APPLICATION: US/10/089,292C